

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Larry S. Eoff, Eldon )  
Dwyann Dalrymple, B. )  
Raghava Reddy and Frank ) Art Unit: Unknown  
Zamora )  
 )  
Serial No.: Unknown )  
 )  
Filed: Concurrently Herewith ) Examiner: Unknown  
 )  
For: Hydrophobically Modified )  
Polymers for a Well )  
Completion Spacer Fluid )

INFORMATION DISCLOSURE STATEMENT

ASSISTANT COMMISSIONER FOR PATENTS  
Alexandria, VA 22313-1450

SIR:

The following documents are known to Applicants or Applicants' attorneys and are submitted for the Examiner to consider in the above-captioned application.

U. S. PATENTS

U.S. Patent Number 3,382,924 issued May 14, 1968 to Carl D. Veley, et al;

U.S. Patent Number 4,129,183 issued December 12, 1978 to George Kalfoglou;

U.S. Patent Number 4,158,521 issued June 19, 1979 to Robert W. Anderson, et al;

U.S. Patent Number 4,366,071 issued December 28, 1982 to Homer C. McLaughlin, et al;

U.S. Patent Number 4,366,072 issued December 28, 1982 to  
Homer C. McLaughlin, et al;

U.S. Patent Number 4,366,073 issued December 28, 1982 to  
Homer C. McLaughlin, et al;

U.S. Patent Number 4,366,074 issued December 18, 1982 to  
Homer C. McLaughlin, et al;

U.S. Patent Number 4,374,739 issued February 22, 1983 to  
Homer C. McLaughlin, et al;

U.S. Patent Number 4,393,939 issued July 19, 1983 to Charles  
W. Smith, et al;

U.S. Patent Number 4,395,340 issued July 26, 1983 to Homer  
C. McLaughlin;

U.S. Patent Number 4,401,789 issued August 30, 1983 to  
Charles M. Gideon;

U.S. Patent Number 4,439,334 issued March 27, 1984 to John  
K. Borchardt;

U.S. Patent Number 4,440,649 issued April 3, 1984 to Royal  
E. Loftin, et al;

U.S. Patent Number 4,447,342 issued May 8, 1984 to John K.  
Borchardt, et al;

U.S. Patent Number 4,460,627 issued July 17, 1984 to Immie  
D. Weaver, et al;

U.S. Patent Number 4,462,718 issued July 13, 1984 to Homer  
C. McLaughlin, et al;

U.S. Patent Number 4,532,052 issued July 30, 1985 to Jimmie

D. Weaver, et al;

U.S. Patent Number 4,536,297 issued August 20, 1985 to Royal E. Loftin, et al;

U.S. Patent Number 4,536,305 issued August 20, 1985 to Jon K. Borchardt, et al;

U.S. Patent Number 4,604,216 issued August 5, 1986 to Howard B. Irvin, et al;

U.S. Patent Number 4,693,639 issued September 15, 1987 to Keith H. Hollenbeak, et al;

U.S. Patent Number 4,730,028 issued March 8, 1988 to Jan Bock, et al;

U.S. Patent Number 4,828,726 issued May 9, 1989 to Ronald E. Himes, et al;

U.S. Patent Number 5,071,934 issued December 10, 1991 to Dennis G. Peiffer;

U.S. Patent Number 5,097,904 issued March 24, 1992 to Ronald E. Himes;

U.S. Patent Number 5,146,986 issued September 15, 1992 to E. Dwyann Dalrymple;

U.S. Patent Number 5,160,642 issued November 3, 1992 to John A. Schield, et al;

U.S. Patent Number 5,197,544 issued March 30, 1993 to Ronald E. Himes;

U.S. Patent Number 5,208,216 issued May 4, 1993 to C. Darwin Williamson, et al;

U.S. Patent Number 5,379,841 issued January 10, 1995 to

Giinter Pusch, et al;

U.S. Patent Number 5,607,902 issued March 4, 1997 to Kevin W. Smith, et al;

U.S. Patent Number 5,887,653 issued March 30, 1999 to L. W. Bishop, et al;

U.S. Patent Number 5,972,848 issued October 26, 1999 to Annie Audibert, et al;

U.S. Patent Number 6,277,900 issued August 21, 2001 to Reinhard Oswald, et al; and

U.S. Patent Number 6,476,169 issued November 5, 2002 to Larry S. Eoff, et al.

**Foreign Patents**

European Patent Number EP 1 033 378 A1 issued February 18, 2000;

PCT Patent Number WO 93/15164 published August 5, 1993;

PCT Patent Number WO 99/49183 published September 30, 1999, and

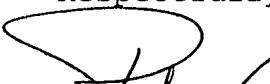
PCT Patent Number WO 99/50530 published October 7, 1999.

**Other Art**

Article entitled "Controlling Formation Damage Using Clay Stabilizers: A Review" by Z.J. Zhou et al, dated 1995.

Copies of the aforementioned references and Form PTO-1449 are submitted herewith.

Respectfully submitted,

  
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Duncan, OK 73536-0440  
580-251-3125

FORM PTO-1449 (Modified)		ATTY. DOCKET NO. 2002-IP-007056U2	SERIAL NO. Unknown
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		APPLICANT Larry S. Eoff, et al	
(Use several sheets if necessary)		FILING DATE Concurrently herewith	GROUP Unknown

## U. S. PATENT DOCUMENTS

EXAMINER INITIAL		Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA	3,382,924	05/14/68	Veley et al.	166	42	
	AB	4,129,183	12/12/78	Kalfoglou	166	300	
	AC	4,158,521	06/19/79	Anderson et al.	405	264	
	AD	4,366,071	12/28/82	McLaughlin et al.	2582	8.55R	
	AE	4,366,072	12/28/82	McLaughlin et al.	252	8.55R	
	AF	4,366,073	12/28/82	McLaughlin et al.	252	8.55R	
	AG	4,366,074	12/28/82	McLaughlin et al.	252	8.55R	
	AH	4,374,739	02/22/83	McLaughlin et al.	252	8.55R	
	AI	4,393,939	07/19/83	Smith et al.	166	293	
	AJ	4,395,340	07/26/83	McLaughlin	252	8.55D	
	AK	4,401,789	08/30/83	Gideon	524	827	
	AL	4,439,334	03/27/84	Borchardt	252	8.55D	

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AM	EP 1033378	02/18/00	European	CO8F	220/58		X
	AN	WO 93/15164	08/05/93	PCT	CO9K	7/00		X
	AO	WO 99/49183	09/30/99	PCT	E21B	43/02	X	
	AP	WO 99/50530	10/07/99	PCT	E21B	43/02	X	
	AQ							

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Paper entitled "Controlling Formation Damage Using Clay Stabilizers: A Review", by Z. J. Zhou et al., dated 1995
AS	
AT	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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AA		4,440,649	04/03/84	Loftin et al.	252	8.5C	
AB		4,447,342	05/08/84	Borchardt et al.	252	8.55D	
AC		4,460,627	07/17/84	Weaver et al.	427	212	
AD		4,462,718	07/31/84	McLaughlin et al.	405	264	
AE		4,532,052	06/30/85	Weaver et al.	252	8.55R	
AF		4,536,297	08/20/85	Loftin et al.	252	8.5C	
AG		4,536,305	08/20/85	Borchardt et al.	252	8.55R	
AH		4,604,216	08/05/86	Irvin, et al.	252	8.510	
AI		4,693,639	09/15/87	Hollenbeak et al.	405	263	
AJ		4,730,028	03/08/88	Bock, et al.	526	225	
AK		4,828,726	05/09/89	Himes et al.	252	8.553	
AL		5,071,934	12/10/91	Peiffer	526	307	
AM		5,097,904	03/24/92	Himes	166	294	

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							Yes
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EXAMINER INITIAL		Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
AA		5,146,986	09/15/92	Dalrymple	166	294	
AB		5,160,642	11/03/92	Schield et al.	252	8.551	
AC		5,197,544	03/30/93	Himes	166	294	
AD		5,208,216	05/04/93	Williamson et al.	507	120	
AE		5,379,841	01/10/95	Pusch, et al.	166	295	
AF		5,607,902	03/04/97	Smith et al.	507	120	
AG		5,887,653	03/30/99	Bishop et al.	166	281	
AH		5,972,848	10/26/99	Audibert et al.	507	119	
AI		6,277,900	08/21/01	Oswald, et al.	523	130	
AJ		6,476,169	11/05/02	Eoff, et al.	526	307.2	
AK							

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							Yes
	AL						
	AM						
	AN						
	AO						
	AP						

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